

Substitute for form 1449.VPTO				Complete & Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	09/601,028		
				Filing Date	September 18, 2000		
				First Named Inventor	Pugh et al.		
				Group Art Unit	1616		
				Examiner Name	R. DeWitty		
Sheet	1	of	3	Attorney Docket Number	3477-133		
U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	
	1	4,503,157		Hatahira	03/05/1985		
	2	4,861,733		White	08/29/1989		
	3	4,871,578		Adam et al.	10/03/1989		
	4	4,983,182		Kijima et al.	01/08/1991		
/	5	4,988,362		Toriyama et al.	01/29/1991		
	6	4,990,163		Ducheyne et al.	02/05/1991		
	7	5,011,495		Hollinger	04/30/1991		
	8	5,034,352		Vit et al.	07/23/1991		
	9	5,232,878		Kasuga et al.	08/03/1993		
	10	5,728,395		Ohtsuka et al.	03/17/1998		
	11	6,090,732		Ito et al.	07/18/2000		
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document Office ³ Number ⁴	Kind Code (if known) ⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	12	WO	91/17965		University of Florida	11/28/1991	
	13	WO	95/32008		Implico B.V.	11/30/1995	
	14	UK	2 316 940	A	Queen Mary & Westfield College	03/11/1998	
	15	FR	2 664 501		Les Laboratoires Osteal Medical	01/17/1992	
	16	WO	94/26872		Millenium Biologix Inc.	11/24/1994	
Examiner Signature	<i>Refford Burke</i>				Date Considered	6/29/04	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO		Complete & Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/601,028
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Sheet	2	of	3

U. S. PATENT DOCUMENTS						
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		Kind Code ⁸ (if known)	Number			
	17	4,146,936		Aoyagi et al.	04/03/1979	
	18	5,279,831		Constantz et al.	01/18/1994	
	19	3,893,841		Nijhawan et al.	07/1975	
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	20	WO	97/09286	Pugh et al.	03/1997	
	21	JP	8-165216	Yamazaki et al.	06/1996	
	22	WO	98/08773	Best et al.	03/1998	
	23	JP	401298055	A Nonami	12/1989	
Examiner Signature	Rethard Becker				Date Considered	6/29/04

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		Examiner Name	R. DeWitty
Sheet 3 of 3	Attorney Docket Number	3477-133	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	24	Shimizu et al., "The effect of substrate composition and condition on resorption by isolated osteoclasts," <u>Bone and Mineral</u> , 6, pp. 261-275 (1989)	
	25	Jones et al., "The resorption of biological and non-biological substrates by cultured avian and mammalian osteoclasts," <u>Anat. Embryol</u> , 170:247-256 (1984)	
	26	Kerby et al., "Derivation of Osteoclasts from Hematopoietic Colony-Forming Cells in Culture," <u>Journal of Bone and Mineral Research</u> , Vol. 7, No. 3, pp. 353-362 (1992)	
	27	Amano et al., "An Assay System Utilizing Devitalized Bone for Assessment of Differentiation of Osteoclast Progenitors," <u>Journal of Bone and Mineral Research</u> , Vol. 7, No. 3, pp. 321-328 (1992)	
	28	Chambers et al., "Failure of Cells of the Mononuclear Phagocyte Series to Resorb Bone," <u>Calcif. Tissue Intl.</u> , 36:556-558 (1984)	
	29	Chambers et al., "Resorption of Bone by Isolated Rabbit Osteoclasts," <u>J. Cell Sci.</u> , 66, pp. 383-399 (1984)	
	30	Boyde et al., "Resorption of Dentine by Isolated Osteoclasts <i>in vitro</i> ," <u>British Dental Journal</u> , 156, pp. 216-220 (1984)	
	31	Boyer et al., "Synthesis of phosphate - silicate apatites at atmospheric pressure," <u>Solid State Ionics</u> , 95, pp. 121-129, 1997	
	32	Ruys, "Silicon-Doped Hydroxyapatite", <u>J. Aust. Ceram. Soc.</u> , 29 (1/2), pp. 71-80, 1993	
	33	Layrolle et al., "Sol-Gel Synthesis of Zinc Containing Calcium Phosphate Biomaterials," <u>Phosphorus Research Bull.</u> , Vol. 6, pp. 63-66, 1996	
	34	Bigi et al., "Isomorphous Substitutions in B-Tricalcium Phosphate: The Different Effects of Zinc and Strontium," <u>Jour. Inorg. Biochem.</u> , Vol. 66, pp. 259-65, 1997	

Examiner Signature	<i>Rehnd Becker</i>	Date Considered	6/29/04
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